

## APPENDIX A

### DEFINITIONS AND ABBREVIATIONS

1. Certain words that appear frequently in this report are abbreviated as follows:

feet - ft

knot(s) - kt(s)

millibar or millibars - mb

nautical miles - mi

Weather Reconnaissance Squadron - WRS

2. Points of the compass are abbreviated: N, SE, WNW, etc.

3. Latitude and longitude are abbreviated: 30N 140E, etc.

4. An investigation is the traverse of a reconnaissance aircraft over an area containing a suspected circulation that has been assigned a cyclone number.

5. A fix is the determination of the position of a tropical cyclone at a precise time. Generally, the term "fix" is used when the position of the cyclone has been determined by a reconnaissance aircraft penetration or by airborne, land or ship radar. In the case of a reconnaissance aircraft penetration, the actual fix may be based on one or all of the following: visual observation, radar, surface pressure, surface or upper level winds, constant pressure height, and temperature/dew point.

6. A sortie is defined as a flight by one aircraft with one or more objectives, i.e., it may make one or more fixes and/or one or more investigations on one or more tropical cyclones.

7. The term "tropical cyclone" or "cyclone" as used in this publication has two definitions dependent upon usage.

a. "Tropical cyclone" or "cyclone" is used to describe a suspected tropical cyclonic circulation which appears capable of intensification, and to which has been assigned a "cyclone number" for the purposes of reconnaissance and to assure that records regarding it are not confused with those of another circulation.

b. "Tropical cyclone" or "cyclone" is used in the general sense, e.g., "Typhoon JOAN was the most intense tropical cyclone of 1959", or, "Tropical cyclones most frequently develop during August and September".

8. A tropical depression is a tropical cyclone with a confirmed cyclonic circulation, for which warnings are being issued and whose surface wind speeds do not exceed 33 kts. The numbering of tropical depressions is not related to the numbering of tropical cyclones.

9. Peel Island, located at 27.1N, 142.2E, is also known as Chichi Shima or Chichi Jima. In this report, only the name "Peel Island" is used.

10. The following define and clarify certain words and phrases that appear in the Tables, "Reconnaissance Aircraft Fixes", Chapter V.

a. FIX NO. - This number corresponds to the number of the fix plotted on the "Best Track Chart".

b. TIME - The date-time group of the fix.

c. LAT. - Latitude of the fix.

d. LONG. - Longitude of the fix.

e. UNIT METHOD & ACCY -

(1) UNIT - The unit that made the fix: 56 - 56th Weather Reconnaissance Squadron; 315 - 315th Air Division; VW1 - VW-1 Early Warning Squadron.

(2) METHOD - The method used to make the fix: P - penetration; R - radar; T - triangulation.

(3) ACCY - The estimated accuracy of the fix in nautical miles.

f. MIN SLP MBS - The minimum sea level pressure in millibars.

g. MAX SFC WND - The maximum observed surface wind in kts.

h. MIN 700MB HGT - The minimum 700 mb height in ft.

i. MAX 700MB WND - The maximum 700 mb wind in kts.

j. 700MB TT/Td ( $^{\circ}$ C) - The maximum 700 mb temperature and dewpoint in degrees centigrade..

k. EYE CHARACTERISTICS - Selected remarks on the characteristics of the eye.

SC - strato-cumulus	INDEF - indefinite
CIRC - circular	ORIEN - oriented
CLD(S) - cloud(s)	QUAD(S) - quadrant(s)
CTR - center	RAD - radius
DIA - diameter	SFC - surface
ELLIP - elliptical	WND - wind
ELONG - elongated	

11. A "Stidd Diagram" is a chart on which a continuous plot of surface observations is maintained for a series of stations. The observations for each individual station are plotted in either a horizontal or vertical line.

12. The "M2 Field" (referred to in Chapter IV, Section B) is the correction for the coriolis parameter applied to the 500 mb double space mean.

13. The "Bar" (referred to in Chapter VII, Section C) is the heavy bank of clouds that appears on the horizon with the approach of an intense tropical cyclone.

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## Three Storms Prowl Pacific; P.I. Toll Hits 101

**BULLETIN**  
TYPHOON DELTA...  
TYPHOON SIGMA...  
TYPHOON ZETA...

## Dead, Missing Toll Nears 300 As Flood Waters Rise in P.I.

### Ship Looks Typhoon in the Eye and Escapes

By AP's EUGENE W. HAYES JR.

MANILA, Philippines—A U.S. Coast

guard cutter, the *Albatross*, escaped a typhoon in the Philippines today after a narrow escape from the storm's fury.

The cutter, which was on a patrol mission, was hit by the storm's fury as it approached the Philippines.

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**TOKYO (AP)—**Typhoon Della curved northward through the Sea of Japan Tuesday after cutting a swath across southern Japan, leaving 7 persons dead and 29 missing.

Two persons were killed and 21 were buried alive and are believed dead in a landslide at Nishinomiya, in Hyogo Prefecture. Police said hope has almost been abandoned for those trapped in the slide.

## Lola Kills 26; Filipinos Face Food Shortage

50,000 Formosans

Rendered Homeless

By SPENCER MOORE

**TAIPEI, Aug. 2 (AP)—**The Chinese Nationalist cabinet met in an emergency session today to work out measures to cope with the havoc caused in Formosa by typhoon Shila, which claimed possibly as many as 64 lives, rendered more than 50,000 homeless, and disrupted rail and

### 'Lola' Leaves Battered P.I.

MANILA, Oct. 14 (AP)—Typhoon Lola left behind a trail of destruction in the Philippines today, leaving 26 dead, 29 missing, and 50,000 homeless.

## P.I. Storm Victims

Get Food; Death

Toll Rises to 29

69 Missing in Rough P.I. Waters;

4 Dead as Trix Batters Taiwan

The typhoon which howled over Formosa tonight, left 26 dead, 29 missing, and 50,000 homeless.

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# 7 DEAD, 29 LOST IN JAPAN STORM

## Typhoon Smacks Southern Japan

**WOSUO (AP)—**U.S. Air Force weather patrol planes reported today that typhoon Della, which was on a patrol mission, was hit by the storm's fury as it approached the Philippines.

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## Japan Storm Kills 7;

Toll May Reach 36

**Typhoon**

**Clobbers**

**Luzon, PI**

**'Olive' Kills**

**104 In PI;**

**Off to China**

**19 Missing**

**P.I. POUNDED**

**BY TYPHOON**

**115-mph Winds Peril**

**North Tip of Taiwan**

**Hundreds Lost in P.I.**

**In Wake of Typhoon**

**MANILA (AP)—**Nearly 100 persons were reported dead and several hundred missing on the main Philippine island of Luzon Monday night in the wake of Typhoon Olive, which

Manila, a city of 3 million, was partially paralyzed by the 80-m.p.h. winds and driving rain of the storm which headed a northwesterly path across Luzon late Sunday and Monday.

Weathermen located Olive 146 miles northwest of Manila at 8 p.m. Manila time—still dead—moving north northwest at 11 m.p.h.

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